Steel Screw Steamer 373

Scale: ½" = 1' e. m.

Steel S. S. „Solingen" Report N° 11473

REINERSTIEG SCHIFFSWERFTE UND MASCHINENFABRIK AKTIENGES. BREMEN

THU 18 NOV 82

Length between perpendiculars	320'-0" e. m.
Breadth moulded	39-10 "
Depth moulded	26-2 "
" from top of maindeckb. to top of keel	27-0 "
" " " " fordb.	8-0 "
" " " tweendeckb. to tankdb.	15-8 "
Height of double bottom	3-4 "
" of poop	7-6 "
" forecastle	7-0 "

Class: London Lloyd 100 A.

Number for frames etc.	81,96
" " plating	26227
½ Girth	42,04
L/B	8,03
L/T 6 maindeck	11,85
L/T 6 tweendeck	16,84
Number for anchors, chaincables etc.	31135.

2½" teak

13×7/16 - ½ L ✕ Iron 7/16 at ends

7×3×9/20 angles on every 2nd frame for poop ✕

7×3×9/20 angles on every 2nd frame for forecastle, or 7×7/16 bulb plate ✕ double angles

7×3×9/20 under windlass on every frame.

41 27×7/16 - ½ L ✕ Iron to 32×9/16 at ends

2½×2¼×9/16 Iron

3×3×9/16 Iron

O = 3/8" Iron 7/16

Butts double riveted

single riveted

N = 3/8" Iron 7/16

single riveted.

M. sheerstrake 40×15/20 - ½ L ✕

Doubling plate 26"×14/20 for ½ L ✕ 14/20 for ½ L, 13/20 for ½ L, to 10/20 at ends

double riveted

L = 54×12/20 for ½ L ✕, 11/20 for ⅛ L, 10/20 ends

double riveted

K = 48×11/20 for ½ L ✕, 10/20 " ⅛ L, 9/20 " ends

double riveted

J. = 54×11/20 for ½ L ✕, 10/20 " ⅛ L, 9/20 " ends

double riveted

H = 48×11/20 for ½ L ✕, 10/20 " ⅛ L, 9/20 " ends

double riveted

G = 54×11/20 for ½ L ✕, 10/20 for ⅛ L follow, 9/20 " ends

double riveted

F = 48×11/20 for ½ L ✕, 10/20 " ⅛ L, 9/20 " ends

double riveted

E = 54×11/20 for ½ L ✕, 10/20 " ⅛ L follow, 9/20 " ends

double riveted

D = 48×10½/20 for ¾ L ✕, 9/20 " ends

double riveted

B = 48×10/20 for ½ L ✕, 10/20 " ⅛ L, 9/20 " ends

double riveted

C = 54×10/20 for ¾ L ✕, 9/20 " ends

Garboard strake A = 36×12/20 for ½ L ✕, 11/20 at ends

Bulbs 6"×2"

N: bulwark 5/10" Iron

46×1⅝/20 for ½ L ✕, to 37×9/20 at ends

Buttstrake riveted, Buttstraps 2/20" thicker for ends } for ½ L ✕

4×4×9/20 - 3/8 L ✕ to 4×4×9/20

3½ pitch-pine

9/20 for ½ L ✕ at ends

Butts double riveted for ½ L ✕, single " Lifeline hatches 2 at ends

4×4×9/20 - ⅜ L ✕ to 4×4×9/20

T bulb beams 8"×8/20 to 7½"×7/20 on every second frame

" " " at ends of main hatch 9×9/20

2¾×2¾×⅜ Iron

2¾ ϕ Iron for ¾ L on every 2nd frame, ends " " 4th " "

Forgings:

Keel - flat iron	10" × 1⅛"	
Keelpieces fore ✕ aft	10 × 2¾	
Sternpost	10 × 6	
Rudderpost	10 × 6	at top 10 × 2¾
Stem	10 × 2¾	at top 8½ × 2¼
Rudder head	7¾ ✕	pintles 3¾ ϕ

4×4×9/20 for ¾ L ✕, 46×9/20 for ½ L ✕ Butts treble riveted, 9/20 at ends, to 37×9/20 at ends, Buttstraps 4/20 thicker } for ½ L ✕

9/20 " for ends

Anchors, Chaincables & Hawsers:

2 Bowers à 36½ Cwt ex. Stock

1 d. 31 " " "

1 Stream 11¼ " " "

1 Warp 5½ " " "

1 Kedge 2¾ " " "

300 fathoms 1 15/16 stud link chain

90 " 1⅜ stream chain or 4¼" Steel wire rope

100 " 12" hemp rope or 4" " "

90 " 10 " "

90 " 3½ " "

6/20 ×L Butts double riveted for ½ L ✕, 20/20 ends singl " at ends ✕ between bottles

T iron 5×3½×⅜

T bulb at ends of main hatch 9½×9/20

9/20 to 8/20

Long pillars 4½ ϕ Iron

3¼ ϕ Iron

In Engines & Boilers Space:

Steel Web Frames spaced as shown on profile

18×8/20 ✕ 2 angles on inner edge 3½×3½×9/20

Waterlight Bulkheads:

7/20" for lower half

6/20 " upper "

stiffened on one side by vertical angles 5"×3½×9/20 30" apart, horizontal " 5"×3½×9/20 48" "

Vertical angles all up to maindeck

Horizontal " " " tweendeck.

Frames:

spaced 24⅔ 5" × 3½×9/20 for 3/5 L ✕ 7/20 at ends, in double bottom 3½×3½×9/20 for 3/5 L ✕ 7/20 at ends; all up to Poopdeck, Maindeck & Forecastle deck.

Reversed frames:

3½×3½×9/20 alternately up to maindeck and to upper edge of tween deck Stringer angles, in Engine & Boiler space all up to maindeck, in forecastle every second up to forecastle deck; all up to maindeck abaft the after peak bulkhead.

T bulbs 10½×11/20, topplate 9½×9/20, spaced as shown on profile.

3⅝ ϕ Iron

8/20

4×4×9/20 for ⅜ L ✕ to 8/20 at ends

9/20 to 8/20

31×12/20 for ½ L ✕ to 31×9/20 at ends

angle 6×4×9/20 for 3/5 L to 8/20 at ends on inner edge

face plate 8"×7/20 } where butt beams dont exceed 8 frame spaces

double angles 3½×3½×7/20 }

2 angles 6×4×9/20 for 3/5 L ✕ 9/20 at ends

Intercostal plates 9/20×11½ for 3/5 L ✕

angle to outside plating 3½×3½×9/20

Double Bottom:

Deck plating, middle line plate 9/20 for 3/5 L ✕ 9/20 at ends

" " in Engine & Boiler space 9/20 " "

" 7/20 " " "

Floorplates 7/20 on every frame fitted to ✕

Centre line plate 50×16/20 for 3/5 L to 9/20 at ends. Bulbs treble riveted with double straps 8/20, top angles 4×4×9/20 for ¾ L ✕ to 8/20

Side girders - intercostal 7/20, angles at top, bottom and floorplates 3½×3½×7/20

Margin plate 26"×7/20, angle to outside plating 3½×3½×8/20, Bulbs double riveted

Centre plate waterlight in Engine & Boilers space and double vertical angles on each side to floorplates; in holds one vertical angle only to each floorplate and 3 back pieces to frames.

bulbs and edges double riveted, 12/20 in E & B space.

bulbs double riveted, edges single riveted.

bulbs " ⅞ L, edges " "

on every frame

Ceiling 2¼"

Knee plates 7/20 for ½ L ✕ at ends

Note: All bulbs of outside plating to be treble riveted for ¾ L ✕, ends double riveted. Bulbsstraps 4/20" thicker for ½ L ✕ 2/20 thicker for ends.

Bulbs in bults of outside plating and deck stringer plate spaces not more than 3½ diameter apart

0 1 2 3 4 5 6 7 8 9 10 ft e. m.

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